

## TOPOLOGY PROPAGATION IN A DISTRIBUTED COMPUTING ENVIRONMENT WITH NO TOPOLOGY MESSAGE TRAFFIC IN STEADY STATE

## Abstract of the Disclosure

5 A topology propagation facility is provided for maintaining a common network topology database at different The facility nodes in a distributed computing environment. generates no message traffic when the distributed computing environment is in steady state. This is accomplished by discontinuing sending of group connectivity messages during a time period of no topology change within the distributed environment. Sending of group connectivity messages is reinitiated from at least one group leader upon identification by the group leader of at least one topology change within the distributed computing environment. Group 15 connectivity messages are forwarded from one group of nodes on a first network to another group of nodes on a second network using a node common to both groups of nodes. networks of the distributed computing environment can 20 comprise heterogenous networks such that the topology propagation facility presented facilitates interoperability of the networks.